

Amendments to the claims

1. (Original) A monitoring device for monitoring conditions in a pneumatic tire; the device comprising:

    a monitoring package, a power source, a first coupling element, and a second coupling element;

    the first coupling element connected to the power source;

    the second coupling element connected to the monitoring package; and

    the first and second coupling elements being aligned and spaced apart whereby power is supplied to the monitoring package from the power source.

2. (Original) The device of claim 1, further comprising an attachment patch; the monitoring package being connected to the attachment patch.

3. (Original) The device of claim 2, wherein the monitoring package is connected to the outer surface of the attachment patch.

4. (Original) The device of claim 3, further comprising a patch connected to the power source; the patch connecting the power source to the attachment patch.

5. (Original) The device of claim 2, wherein the monitoring package is embedded within the body of the attachment patch.

6. (Original) The device of claim 5, further comprising a patch connected to the power source; the patch connecting the power source to the attachment patch.

7. (Original) The device of claim 1, wherein the first and second coupling elements are coils.

8. (Original) The device of claim 1, wherein the first and second coupling elements are pads.

9. (Cancelled)

10. (Previously presented) The device of claim 16, wherein the power source is a battery.

11. (Previously presented) A monitoring device for monitoring conditions in a pneumatic tire; the device comprising:

a monitoring package and a power source;

the power source being electrically coupled to the monitoring package to provide power to the monitoring package;

a first coupling element electrically connected to the monitoring package;

a second coupling element electrically connected to the power source; and

the first and second coupling elements being aligned and spaced apart whereby power is supplied to the monitoring package from the power source through electrical coupling.

12. (Original) The device of claim 11, wherein the first and second coupling elements are coils.

13. (Original) The device of claim 11, wherein the first and second coupling elements are pads.

14-15. (Cancelled)

16. (Currently amended) A monitoring device for monitoring conditions in a pneumatic tire; the device comprising:

- a monitoring package and a power source;
- the power source being electrically coupled to the monitoring package through electrical field coupling to provide power to the monitoring package;
- an attachment patch; the monitoring package being connected to the attachment patch;
- the monitoring package being connected to the outer surface of the attachment patch; and
- a patch connected to the power source; the patch connecting the power source to the attachment patch.

17. (Currently amended) A monitoring device for monitoring conditions in a pneumatic tire; the device comprising:

- a monitoring package and a power source;
- the power source being electrically coupled to the monitoring package through electrical field coupling to provide power to the monitoring package;
- an attachment patch; the monitoring package being connected to the attachment patch; and
- the monitoring package being embedded within the body of the attachment patch.

18. (Original) The device of claim 17, further comprising a patch connected to the power source; the patch connecting the power source to the attachment patch.

19. (Previously presented) The device of claim 16, further comprising a first coupling element electrically connected to the monitoring package;

a second coupling element electrically connected to the power source; and

the first and second coupling elements being aligned and spaced apart whereby power is supplied to the monitoring package from the power source through electrical coupling.

20. (Previously presented) The device of claim 19, wherein the first and second coupling elements are coils.

21. (Previously presented) The device of claim 19, wherein the first and second coupling elements are pads.

22. (Previously presented) The device of claim 17, further comprising a first coupling element electrically connected to the monitoring package;

a second coupling element electrically connected to the power source; and

the first and second coupling elements being aligned and spaced apart whereby power is supplied to the monitoring package from the power source through electrical coupling.

23. (Previously presented) The device of claim 22, wherein the first and second coupling elements are coils.

24. (Previously presented) The device of claim 22, wherein the first and second coupling elements are pads.

25. (Previously presented) A monitoring device for monitoring conditions in a pneumatic tire; the device comprising:

a monitoring package and a power source; and

the power source being electrically connected to the monitoring package through close proximity electromagnetic coupling to provide power to the monitoring package.

26. (Previously presented) The device of claim 25, further comprising an attachment patch; the monitoring package being connected to the attachment patch.

27. (Previously presented) The device of claim 26, wherein the monitoring package is connected to the outer surface of the attachment patch.

28. (Previously presented) The device of claim 25, further comprising a first coupling element electrically connected to the monitoring package;

a second coupling element electrically connected to the power source; and

the first and second coupling elements being aligned and spaced apart whereby power is supplied to the monitoring package from the power source through electrical coupling.

29. (Previously presented) The device of claim 28, wherein the first and second coupling elements are coils.

30. (Previously presented) The device of claim 28, wherein the first and second coupling elements are pads.